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24998 7590 11/19/2004
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP
2101 L Street, NW
Washington, DC 20037

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

(Depositor's name)

(Signature)

(Date) _____

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/941,763	08/30/2001	Shuba Swaminathan	02/24/2005-09941763-0000136	099417632

TITLE OF INVENTION: ~~REFRESH ALGORITHM FOR MEMORIES~~

Method and Apparatus for Refreshing Memory to Preserve Data Integrity

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	D1495.00 OP
nonprovisional	NO	\$1370	\$300	\$1670	02/22/2005
EXAMINER	ART UNIT	CLASS-SUBCLASS	02 FC:1504	300.00 OP	
CHOI, WOO H	2186	711-106000	03 FC:8001	15.00 OP	

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Dickstein Shapiro

Morin & Oshinsky LLP

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified, the assignee will appear on the patent recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Micron Technology, Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Boise, Idaho

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

- 4a. The following fee(s) are enclosed:**

- ☒ Issue Fee
☒ Publication Fee (No small entity discount permitted)
☒ Advance Order - # of Copies 5

- 4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
- ☒ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 04-1973 (enclose an extra copy of this form).

- 5. Change in Entity Status (from status indicated above)**

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Typed or printed name Thomas J. D'Amico

Date _____

Registration No. 28,371

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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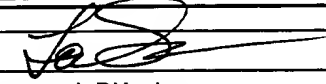
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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2005		Complete if Known	
		Application Number	09/941,763-Conf. #7372
		Filing Date	August 30, 2001
		First Named Inventor	Shuba Swaminathan
		Examiner Name	W. H. Choi
		Art Unit	2186
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	M4065.0459/P459
TOTAL AMOUNT OF PAYMENT	(\$)	1,715.00	

METHOD OF PAYMENT (check all that apply)	
<input type="checkbox"/> Check <input checked="" type="checkbox"/> Deposit Account <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____	Deposit Account Number: <u>04-1073</u> Deposit Account Name: <u>Dickstein Shapiro Morin & Oshinsky LLP</u> For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee <input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s) under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Credit any overpayments

FEE CALCULATION							
1. BASIC FILING, SEARCH, AND EXAMINATION FEES							
	FILING FEES		SEARCH FEES		EXAMINATION FEES		
		Small Entity		Small Entity		Small Entity	
Application Type	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
							Small Entity
							Fee (\$)
							Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent							50
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent							200
Multiple dependent claims							360
Total Claims							
Extra Claims							
Fee (\$)							
Fee Paid (\$)							
Multiple Dependent Claims							
Fee (\$)							
Fee Paid (\$)							
Indep. Claims							
Extra Claims							
Fee (\$)							
Fee Paid (\$)							
3. APPLICATION SIZE FEE							
If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
Total Sheets		Extra Sheets		Number of each additional 50 or fraction thereof		Fee (\$)	Fee Paid (\$)
- 100 =		/50		(round up to a whole number) x		=	
							Fees Paid (\$)
4. OTHER FEE(S)							
Non-English Specification, \$130 fee (no small entity discount)							
Other: 1501 Utility issue fee							1,400.00
8001 Printed copy of patent w/o color							15.00
1504 Publication fee for early, voluntary, or normal publication							300.00

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent)	28,371
Name (Print/Type)	Thomas J. D'Amico	Telephone	(202) 828-2232
		Date	2/22/05